

HISTORICALLY BLACK COLLEGES AND UNIVERSITIES

## ROAD TOUR

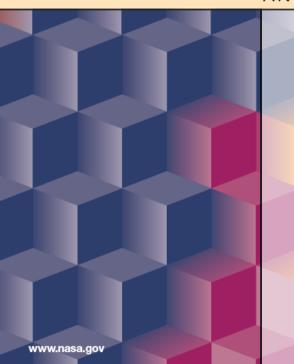


AND MINORITY-SERVING INSTITUTIONS

# Bowie State University

Artelia M. Covington, EdD Sponsored Programs Specialist





## **Bowie State University**

- Located less than 15 miles from the Maryland's capitol, Annapolis
- Ranked in top 25 HBCUs by US News & World Report, 2014
  - 5,667 students (2016): 4,711 undergrad, 951 grad
  - 60.5% female, 39.5% male
  - Student demographics: 89% African-Am., 1% Asian-Am., 4%
    Hispanic, 1% White, 5% Other races/two or more races/unknown
- BSU is the oldest HBCU in Maryland and one of the oldest in the nation
- Largest first-time freshmen enrollment in history: 967
- New 150K square feet Natural Sciences, Mathematics, and Nursing building opening Fall 2017 with 23 Science teaching labs, 15 classrooms, 6 science research labs, 6 shared flexible classroom spaces, 82 academic offices, an informal student gathering space, a greenhouse, a nursing skills simulation suite and various labs for faculty members.



## **Undergraduate & Graduate Degrees**

### UNDERGRADUATE DEGREE PROGRAMS

**Bioinformatics** 

Biology

**Business Administration** 

Child and Adolescent Studies

Communications

**Computer Science** 

Computer Technology

**Criminal Justice** 

Early Childhood Education

**Elementary Education** 

Fine Arts

History and Government

Mathematics

Nursing

Psychology

Science Education

Social Work

**Sport Management** 

**Theater Arts** 

#### **GRADUATE DEGREE PROGRAMS**

Applied and Computational Mathematics (M.S.)

Business Administration (MBA)

Computer Science (D. Sc.)

Computer Science (M.S.)

Educational Leadership (Ed. D.)

Elementary Education (M. Ed.)

English (M.A.)

Human Resource Development (M.A.)

Management Information Systems (MIS)

Mental Health Counseling (M.A.)

Nursing (MSN)

Public Administration (MPA)

Reading Education (M. Ed.)

School Counseling (m. Ed.)

School Psychology (M. A.)

Secondary Education (M. Ed.)

Special Education (M. Ed.)

Teaching (MAT)

#### **CERTIFICATE PROGRAMS**

**Addictions Counseling** 

**Applied and Computational Mathematics** 

Database Management/Artificial Intelligence

Geographical Information Systems & Image

Processing

Graphics & User Interface

**Information Systems Analyst** 

Network & Distribution Systems

**Organizational Communications Specialist** 

**Project Management** 

Psychotherapy

School Psychology

Scientific Software Development

Software Engineering



## Current Research Awards & Past Performance

- President's 1<sup>st</sup> Signature Program, Education Innovation Initiatives (EI<sup>2</sup>) Ecosystem for Student Success at BSU Project awarded \$1.1M from National Science Foundation; 9/1/15 – 8/31/18
- K-20 Cybersecurity Pipeline awarded \$1.5M from National Nuclear Security Administration; 10/1/14 – 9/30/19
- Bowie State Applied Biotechnology Initiative (BSABI) awarded \$400K from National Science Foundation; 7/1/14 – 9/30/17
- STEM HBCU Network awarded \$30K from National Aeronautics and Space Administration; 3/1/14 – 8/31/15



## Facilities & Specialized Equipment

- Maker Space: This digital fabrication lab allowed students to design, develop, test and present a realistic IoT system for a specific industry domain utilizing digital fabrication tools such as 3D printers, a laser cutter, CNC machine, and microcontrollers with sensors and actuators.
- CHIP: Center for High-Performance Information Processing- The third fastest Supercomputer in the United States boasting a processing speed of 59 TeraFLOPS or 59 trillion calculations per second. BSU's interdisciplinary research teams use this processing power to sequence large databases of DNA through a DNA Barcoding Initiative to sample, identify and classify species; and in for sifting through big data-generating applications in in cybersecurity, computer forensics and life sciences
- LIISA: Laboratory for Information and Infrastructure Security and Assurance – This laboratory provides students with state-of-the-art technology equipment and software to attack and defend target computer networks in a secure environment



## **University Points of Contact**

- Dr. Anika Bissahoyo,
  - abissahoyo@bowiestate.edu
  - Director of the Office of Research and Sponsored Programs
- Dr. Artelia M. Covington,
  - acovington@bowiestate.edu
  - Sponsored Programs Specialist
- Mr. Ed Crosby
  - <u>ecrosby@bowiestate.edu</u>
  - Grants Program Specialist

